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Murthy et al.(10) **Pub. No.: US 2014/0019602 A1**(43) **Pub. Date: Jan. 16, 2014**(54) **LOAD BALANCING FOR SINGLE-ADDRESS
TENANTS**(52) **U.S. Cl.**
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G06F 15/173 (2006.01)(57) **ABSTRACT**

Load balancing for single-address tenants. When a load balancer detects that a virtual address is associated with a single destination address, the load balancer sets a flag to distinguish the virtual address from virtual addresses that are associated with a plurality of destination addresses. The load balancer instructs the router to bypass the load balancer for network packets that are addressed to the virtual address, and refrains from storing subsequent flow state for the virtual address. When the virtual address is to be scaled up with an additional destination address, the load balancer sets a flag to distinguish the virtual address from virtual addresses that are associated with a single destination addresses. The load balancer instructs the router to route network packets that are addressed to the virtual address through the load balancer, instead of bypassing the load balancer, and starts storing flow state for the virtual address.

